NEW MODEL INFORMATION

DENON

DVD Surround Receiver

ADV-700

Versatile 5-channel DVD Surround Receiver in Slim Elegant Design

The ADV-700 features an advanced all-in-one DVD player / 5-channel A/V receiver combination with the new Dolby Digital/ Pro Logic II decoder, which lets you enjoy the full ambience of 5.1-channel sound from a wealth of program sources. With the ADV-700 and Dolby Pro Logic II, you can convincingly simulate the realism of 5.1-channel surround sound from conventional 2-channel sources such as videos and CDs as well as play DVDs recorded in full 5.1-channel surround. The ADV-700 also features an elegant, space-saving design that blends harmoniously in any home theater decor.

DVD VIDEO · COMPACT disc DIGITAL VIDEO · DOLBY DIGITAL PRO LOGIC II · DIGITAL dts SURROUND · MP3 · On Screen DISPLAY · R·D·S · RadioTEXT · Personal Memory Plus

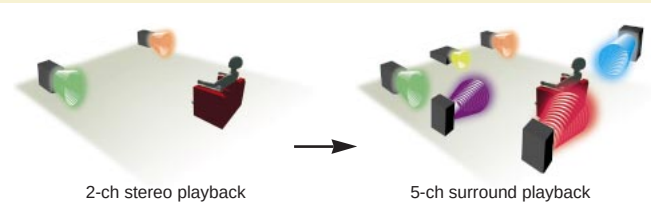
■ Dolby Digital and DTS Decoders

Equipped with both Dolby Digital and DTS 5.1 channel decoding, the ADV-700 provides thrilling surround sound with the thousands of Dolby Digital and DTS encoded DVDs, as well as the growing library of DTS 5.1 channel music recordings available on CD.

■ Dolby Pro Logic II Decoder

- ***Enjoy any 2-channel source in stunning 5.1-channel surround playback.endary audio playback quality.***

The Dolby's newly developed Pro Logic II decoder reproduces dynamic 5.1-channel surround sound from any 2-channel source: DVD, VHS, satellite and television broadcasts, radio, and CDs. Dolby Pro Logic II uses matrix decoding technology that has been dramatically improved over Pro Logic. With Pro Logic II, for instance, the Surround (Rear) channels are in stereo (only mono with Pro Logic) and playback covers the full frequency range (only up to 7 kHz with Pro Logic). These improvements let you enjoy a wide variety of 2-channel sources with the exciting effects of 5.1-channel surround sound.



2-ch stereo playback　　5-ch surround playback

When simulating 5.1-channel surround from 2-channel sources, the sound that Dolby Pro Logic output through the Surround speakers was only a monaural synthesis of the two stereo channels (left diagram). With Pro Logic II, however, the output from the Surround speakers is in stereo, giving you an enhanced sense of space (right diagram).

■ Auto Decode

When you insert a disc, the convenient Auto Decode function automatically detects the sound format (Dolby Digital, DTS, or music CD) and starts playing the disc. It also detects digital broadcast satellite (DBS) signals, so that when you are receiving a 5.1-channel broadcast, for instance, you will automatically hear it full surround sound. With Auto Decode, you can just enjoy the programs and not worry about making manual settings of your own.

■ CD and CD-R/CD-RW Playback (*1)

- ***Enjoy your favorite music CDs, CD-Rs, and CD-RWs with Denon's legendary audio playback quality.***
- ***Enjoy CD-R/RW discs encoded in MP3.***

The ADV-700 also automatically plays back discs encoded with MP3 music files, that you or others have recorded on to CD-R or CD-RW.

(*1): Discs that have been poorly finalized following recording may be only partially playable or not playable at all.

■ On-screen Display

The ADV-700 lets you make system settings via displays on your TV screen from the comfort of your chair. The settings are also simpler to adjust thanks to the ADV-700's new Quick Set-up feature that lets you set the system to either 5.1-channel or 2-channel playback, which then automatically sets the sound space settings accordingly. Of course, you can at any time fine-tune the settings on-screen to more closely match your particular listening space. In this case, making the settings from your chair has the added advantage of listening to the effects while you adjust the settings.

■ Super Sub Alias Filter

- ***High Resolution Picture.***

The video decoder uses a Super Sub Alias Filter that extends the video band into the high range while also suppressing noise from outside this band. This results in high picture quality playback with enhanced horizontal resolution and greater detail.

■ Resume Playback Function

When you stop a DVD movie or music program in the middle and have even turned off the ADV-700's power (leaving it in standby mode), pressing the play button on the remote controller lets you continue the program in the same playback mode from where it was stopped.

■ Personal Memory Plus

The ADV-700's Personal Memory Plus function allows you to store the parameter of the surround mode for further sound source customization. A single push of any source button will instantly recall the settings stored for each of the sound sources.

■ 7 Ambient Sound Effects to Complement Sound Sources

The ADV-700 provides 7 original surround modes to let you enjoy an ambient effect that matches the sound source you are playing: 5-CH STEREO, JAZZ CLUB, MONO MOVIE, ROCK ARENA, VIDEO GAME, MATRIX, VIRTUAL.

■ 2-channel Virtual Surround A/V System

The ADV-700 is equipped with the Virtual Surround mode that lets you enjoy the spacious sound effects of Dolby Digital through two stereo speakers if you are not able to install all the speakers required for true 5.1-channel playback. Denon uses a proprietary digital processing system to recreate surround sound from just the two front channels. Virtual Surround also gives you superior sound effects with optimum sound stage when you use headphones instead of the speakers.

■ GLO-KEY Remote Control

The main buttons on the remote controller are illuminated in fluorescent colors for easy operation in the dark or during playback.

■ Elegant Half Mirrored Dot Matrix Display

The half-mirror feature of the ADV-700's front display panel allows the normally dark area on the unit to subtly reflect light or surrounding objects, enhancing the ADV-700's aesthetic appeal in your room. The number and text information appears on the surface of the mirror in dot matrix clarity, making it much easier to read.

■ Wealth of A/V Inputs and Outputs

• RGB Output via SCART Terminal

The ADV-700 provides 3 sets of video and 4 sets of audio terminals to connect a video player, television, or other video and audio devices.
The ADV-700 provides a SCART terminal that lets you select either Composite video or S-Video output from a single terminal. When you are playing a DVD, you have the option of RGB output as well.

■ 40-Station AM/FM Random Preset Memory Tuning

■ RDS (Radio Data System)

Specifications

■ DVD Section

Signal system ..... PAL/NTSC
Disc played ..... DVD Video, Video CD, Music CD, CD-R/RW (audio/MP3)
Video output level/Load impedance
Composite output: ..... 1.0 Vp-p (with 75 ohms load)
S-Video output: ..... Y; 1.0 Vp-p (with 75 ohms load),
C; 0.3 Vp-p (PAL), 0.286 Vp-p (NTSC) (with 75 ohms load)
RGB output: ..... 0.7 Vp-p (with 75 ohms load)
Audio output level/Load impedance
Audio output ..... 2 V (CDR/TAPE)(1 kHz, 0 dB: DVD)

■ Power Amplifier Section

Rated output
Front..... 35 W + 35 W (6 ohms, 1 kHz, 10 % THD)
Center..... 35 W (6 ohms, 1 kHz, 10 % THD)
Surround..... 35 W + 35 W (6 ohms, 1 kHz, 10 % THD)

■ Analog Section

Frequency response..... 10 Hz - 70 kHz (+0, -3 dB) (Direct mode)
Signal-to noise ratio..... 98 dB (A-weighting) (Direct mode)
Tone control..... Treble: ±10 dB at 10 kHz
Bass: ±10 dB at 100 Hz
Input sensitivity/Impedance
TV/DBS, V.AUX, VCR,
CDR/TAPE..... 200 mV/47 kohms
Output level/Load impedance
VCR, CDR/TAPE ..... 200 mV/47 kohms
SUBWOOFER..... 1.2 V
Audio inputs/outputs
4 Analog inputs..... TV/DBS, V.AUX, VCR, CDR/TAPE
2 Analog outputs..... VCR, CDR/TAPE
1 Pre output ..... Subwoofer

■ Digital Section

Digital inputs/output
2 Optical digital inputs ..... TV/DBS, V.AUX
1 Optical digital output ..... OPTICAL X 1

■ Video Section

Video inputs/outputs
3 Composite inputs..... TV/DBS, V.AUX, VCR
2 Composite outputs ..... VCR, MONITOR
3 S-Video inputs ..... TV/DBS, V.AUX, VCR
2 S-Video outputs..... VCR, MONITOR
AV1:
1 Composite output..... MONITOR
1 S-Video output ..... MONITOR
1 RGB output (DVD only)..... MONITOR

■ FM Section

Tuning frequency range..... 87.5 - 108.0 MHz
Usable sensitivity..... 1.5 µV (14.8 dBf)

■ AM Section

Tuning frequency range..... 522 - 1611 kHz
Usable sensitivity..... 20 µV

■ General

Power supply ..... AC 230 V, 50 Hz
Power consumption ..... 145 W (1.2 W in standby)
Dimensions..... 434 (W) x 90 (H) x 415 (D) mm
Weight ..... 9.4 kg

*Desgin and specifications are subject to change without notice.
*"Dolby","Dolby Digital","Pro Logic II",and the double-D device are registerd trademarks of Dolby Laboratories Licensing Corporation.
*DTS is registered trademarks of DTS Technology.

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